IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

100 In papplication of: Richard A. Mathies, et al.

Attorney Docket No.: UCALP020

plication No.: 10/750,533

Examiner: Beisner, William H.

Filed: December 29, 2003

Group: 1744

Title: FLUID CONTROL STRUCTURES IN

MICROFLUIDIC DEVICES

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as first-class mail on January 10, 2008 in an envelope addressed to the Commissioner for Patents, P.O. Box 1450

Alexandria, VA 22313-1450.

ign**e**d: _____

Danielle Jones

AMENDMENT

Mail Stop Amendment Commissioner of Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

In response to the Office Action dated July 12, 2007, please amend the above-identified patent application as follows:

Amendments to Claims begin on page 2 of this paper.

Summary of Claims begin on page 8 of this paper.

Remarks begin on page 9 of this paper.